

INTEROFFICE MEMORANDUM

Date: June 09, 2006
 To: Arthur L. Williams, Director
 From: Arthur Chang, Technical Services Supervisor
 Re: May 2006 FRM PM_{2.5} Monitoring Update Report

This is a report of May 2006 Federal Reference Method PM_{2.5} monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

May 2006

Table 1. PM_{2.5} Monthly Data Summary (µg/m³)

	Daily Maximum	Daily Minimum		Monthly
Site Name	Conc. & Date	Conc. & Date	Run Time	Average
Southwick	18.7 (05/09)	5.5 (05/22)	66.7 %*	10.8
Wyandotte	28.4 (05/31)	6.3 (05/14)	80.0 %	13.8
Barret	22.0 (05/30)	5.9 (05/11)	100.0 %	11.5
Watson	20.8 (05/30)	5.7 (05/05)	100.0 %	11.3
Overall				12.1

The 24-hour average standard is 65 µg/m³.

* Data loss due to severe lightning damage to the monitoring instrument.

Table 2. PM_{2.5} Design Values and Year-to-Date Annual Mean Comparisons

Site Name	Annual Mean (ug/m³)							Annual Design Values (2000-2002)	Annual Design Values (2001-2003)	Annual Design Values (2002-2004)	Annual Design Values (2003-2005)	Annual Design Values (2004-2006)³
	2006³	2005	2004	2003	2002	2001	2000					
Southwick/ <i>Firearms Trn</i> ¹	11.9	16.7	14.6	15.4	17.2	17.1/ 18.7 ¹	17.3	N/A	N/A	15.7 ²	15.6 ²	14.4 ²
Wyandotte	12.5	16.6	14.1	15.2	17.5	17.7	16.7	17.3 ²	16.8 ²	15.6	15.3	14.4 ²
Barret	11.5	16.8	14.0	15.2	16.3	16.9	16.7	16.6	16.1	15.1	15.3	14.1
Watson	12.3	16.5	12.7	15.1	15.3	16.3	16.8	16.1	15.5	14.3	14.7	13.8

The annual average standard is 15.0 µg/m³.

¹ *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

² Design value site for Louisville.

³ Year-to-date data for 2006.